IN THE CLAIMS

All claims and status indicators have been reproduced below. This listing will replace all prior versions and listing of the claims.

1. (Previously Presented) A method of characterizing a plurality of digital-to-analog converters for a plurality of color channels of a video subsystem of a computer system, the method comprising the steps of:

lacks patentable weight

driving the plurality of digital-to-analog converters with a set of predetermined input digital values;

measuring a plurality of output analog voltages of the plurality of digital-to-analog converters in response to the driving step; and

storing a plurality of digital characterization values corresponding to the plurality of output analog voltages in a non-volatile memory of the video subsystem such that the digital characterization values are permanently stored in the non-volatile memory.

2. (Original) The method of claim 1, wherein the set of predetermined input digital values comprises only a maximum input digital value for the plurality of digital-to-analog converters.

3. (Canceled)

4. (Original) The method of claim 1, the storing step comprising the step of:

storing a set of digital characterization values for each digital-to-analog converter of the plurality of digital-to-analog converters.

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5. (Original)   The method of claim 4, wherein the set of digital characterization values comprises only a single digital characterization value for each digital-to-analog converter.

6. (Original)   The method of claim 1, wherein the set of predetermined input digital values comprises a plurality of input digital values for each digital-to-analog converter of the plurality of digital-to-analog converters.

7. (Original)   The method of claim 1, wherein the plurality of digital characterization values comprise a plurality of digital representations of the plurality of analog output voltages.

8. (Original)   The method of claim 1, wherein the plurality of digital characterization values comprise a plurality of digital values corresponding to a mathematical model for the plurality of analog output voltages.

9. (Original)   The method of claim 1, wherein the measuring step is performed with a precision termination load resistor.

10. (Original) The method of claim 1, wherein the plurality of digital characterization values represents a plurality of transfer functions for the plurality of digital-to-analog converters.

11. (Original) A computer system, comprising:

a processor; and

a video subsystem coupled to the processor, the video subsystem comprising:

> a plurality of digital-to-analog converters for a plurality of color channels of the video subsystem;

> a video connector coupled to the plurality of digital-to-analog converters for connection to a monitor; and

> a non-volatile memory storing a plurality of digital characterization values for the plurality of digital-to-analog converters.

12. (Original) The computer system of claim 11, wherein the plurality of digital characterization values represent a plurality of transfer functions for the plurality of digital-to-analog converters.

13. (Original) The computer system of claim 1, wherein the plurality of digital characterization values comprise a plurality of digital representations for a plurality of analog output voltages measured for the plurality of digital-to-analog converters by driving the plurality of digital-to-analog converters with a set of predetermined input digital values.

14. (Original) The computer system of claim 11, wherein the plurality of digital characterization values comprises only a single digital characterization value for each digital-to-analog converter of the plurality of digital-to-analog converters.

15. (Original) The computer system of claim 11, further comprising:

color management software executable by the processor to perform color correction based on the plurality of digital characterization values.

16. (Original) A video subsystem for a computer system, comprising:

a plurality of digital-to-analog converters for a plurality of color channels for the

video subsystem; and

a non-volatile memory storing a plurality of digital characterization values for the

plurality of digital-to-analog converters.

17. (Original) The video subsystem of claim 16, wherein the plurality of digital

characterization values comprise a plurality of digital representations for a plurality of analog

output voltages measured for the plurality of digital-to-analog converters by driving the

plurality of digital-to-analog converters with a set of predetermined input digital values.

18. (Original) The video subsystem of claim 16, wherein the plurality of digital

characterization values represent a plurality of transfer functions for the plurality of digital-to-

analog converters.

19. (Original) The video subsystem of claim 16, wherein the plurality of digital

characterization values represent a plurality of transfer functions for the plurality of digital-to-

analog converters.

20. (Previously Presented)   A method of characterizing a plurality of color channels

of a video subsystem of a computer system, the method comprising the steps of:

driving the plurality of color channels with a set of predetermined input digital values;

measuring a plurality of output analog signals of the plurality of color channels in

response to the driving step; and

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storing a plurality of digital characterization values corresponding to the plurality of

output analog signals voltages in a non-volatile memory of the video

subsystem such that the digital characterization values are permanently stored

in the non-volatile memory.

21. (Canceled)

22. (Original) The method of claim 20, wherein the video system comprises a

graphics controller.